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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	4	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	5	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	7	AUG 27	USPATOLD now available on STN
NEWS	8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	10	SEP 13	FORIS renamed to SOFIS
NEWS	11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	12	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	13	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	15	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	16	OCT 19	BEILSTEIN updated with new compounds
NEWS	17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	18	NOV 19	WPIX enhanced with XML display format
NEWS	19	NOV 30	ICSD reloaded with enhancements
NEWS	20	DEC 04	LINPADOCDB now available on STN
NEWS	21	DEC 14	BEILSTEIN pricing structure to change
NEWS	22	DEC 17	USPATOLD added to additional database clusters
NEWS	23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	24	DEC 17	DGENE now includes more than 10 million sequences
NEWS	25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS	27	DEC 17	CA/CAPplus enhanced with new custom IPC display formats
NEWS	28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:16:44 ON 28 DEC 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:17:02 ON 28 DEC 2007

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STRUCTURE FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9

DICTIONARY FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

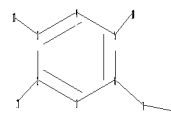
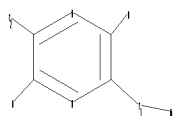
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10649299.str



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chain nodes :
7 9 10 11 13
ring nodes :
1 2 3 4 5 6
chain bonds :
2-11 3-13 5-10 6-7 7-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-11 3-13 5-10 6-7 7-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

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G1:O,S,N

G2:C,O,S

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 9:Atom 10:CLASS 11:CLASS
13:CLASS
Generic attributes :
9:
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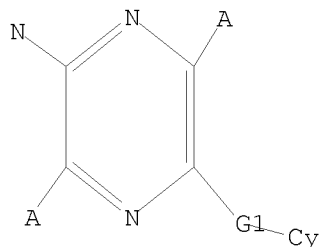
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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS
L1 STR

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G1 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 07:17:26 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1270 TO ITERATE

100.0% PROCESSED 1270 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 23263 TO 27537

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 07:17:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 25778 TO ITERATE

100.0% PROCESSED 25778 ITERATIONS

50 ANSWERS

SEARCH TIME: 00.00.01

L3 50 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 07:17:35 ON 28 DEC 2007

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FILE COVERS 1907 - 28 Dec 2007 VOL 148 ISS 1

FILE LAST UPDATED: 27 Dec 2007 (20071227/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13

L4 7 L3

=> d 1-7 ibib abs hitstr

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:351030 CAPLUS

DOCUMENT NUMBER: 146:380011

TITLE: Preparation of N-pyrazinyl phenylsulfonamides as
chemokine receptor modulators for treatment of asthma

INVENTOR(S): Kindon, Nicholas; Mete, Antonio; Teobald, Barry

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.

SOURCE: PCT Int. Appl., 79pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

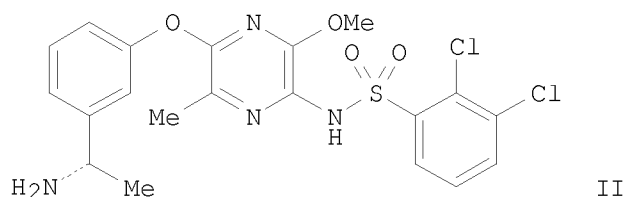
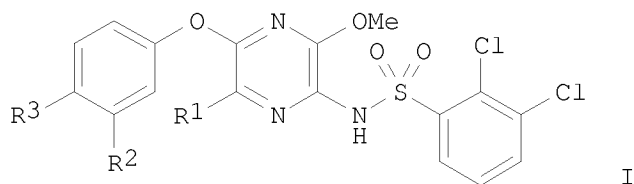
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2007035154	A1	20070329	WO 2006-SE1060	20060918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,				
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,				
MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,				
RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,				
UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: SE 2005-2068 A 20050919

OTHER SOURCE(S): MARPAT 146:380011

GI



AB The title N-pyrazinyl phenylsulfonamides I [wherein R1 = H, Me, F, or Cl; one of R2 and R3 = H or F; the other of R2 and R3 = (un)substituted CH2NH2 or CH2CH2NH2] or pharmaceutically acceptable salts thereof were prepared as chemokine receptor modulators for treatment of asthma (no data). For example, II was prepared in a multi-step synthesis. II showed 96.4% binding activity towards human plasma protein.

IT 931092-38-5P 931092-41-0P 931092-48-7P
 931092-61-4P 931092-62-5P 931092-67-0P
 931092-68-1P 931092-72-7P 931092-73-8P
 931092-78-3P 931092-79-4P 931092-80-7P
 931092-81-8P 931092-82-9P 931092-86-3P
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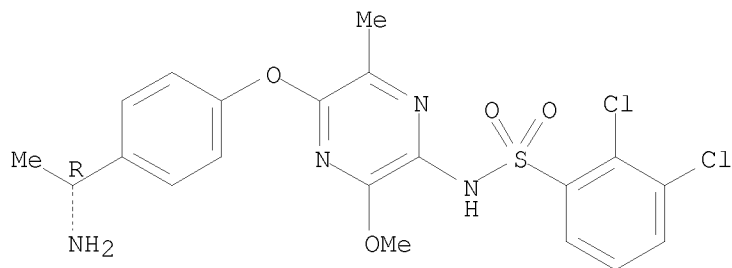
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of N-pyrazinyl phenylsulfonamides as chemokine receptor modulators for treatment of asthma)

RN 931092-38-5 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1R)-1-aminoethyl]phenoxy]-3-methoxy-6-methyl-2-pyrazinyl]-2,3-dichloro-, hydrochloride (1:?) (CA INDEX NAME)

Absolute stereochemistry.

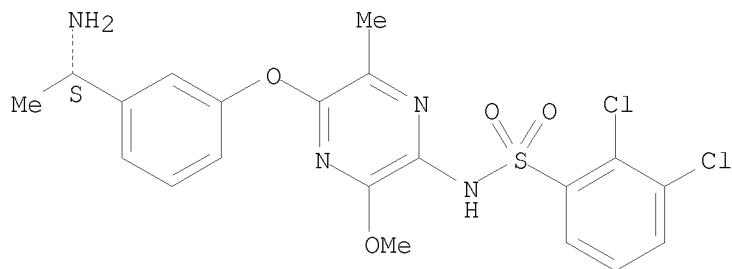


●x HCl

RN 931092-41-0 CAPLUS

CN Benzenesulfonamide, N-[5-[3-[(1S)-1-aminoethyl]phenoxy]-3-methoxy-6-methyl-2-pyrazinyl]-2,3-dichloro- (CA INDEX NAME)

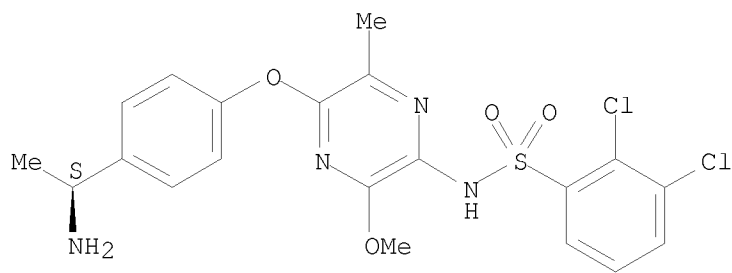
Absolute stereochemistry.



RN 931092-48-7 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1S)-1-aminoethyl]phenoxy]-3-methoxy-6-methyl-2-pyrazinyl]-2,3-dichloro-, hydrochloride (1:?) (CA INDEX NAME)

Absolute stereochemistry.

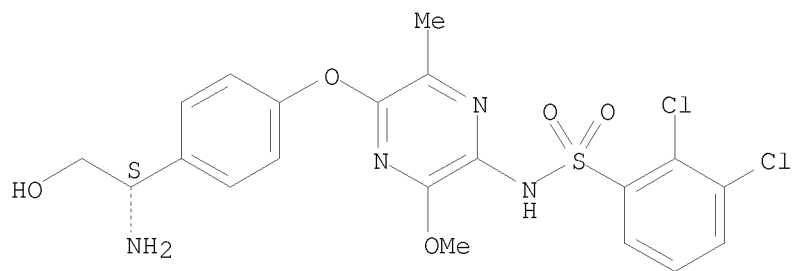


● x HCl

RN 931092-61-4 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-3-methoxy-6-methyl-2-pyrazinyl]-2,3-dichloro- (CA INDEX NAME)

Absolute stereochemistry.



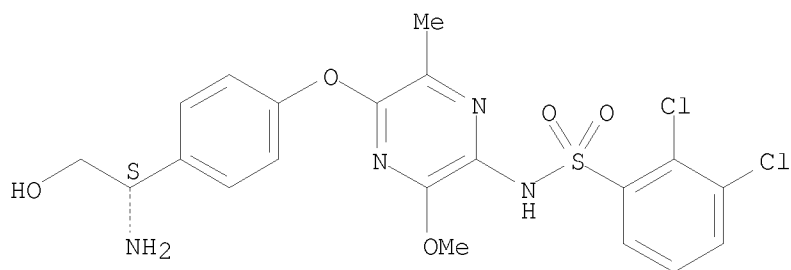
RN 931092-62-5 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-3-methoxy-6-methyl-2-pyrazinyl]-2,3-dichloro-, 2,2,2-trifluoroacetate (1:?) (CA INDEX NAME)

CM 1

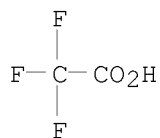
CRN 931092-61-4
CMF C20 H20 Cl2 N4 O5 S

Absolute stereochemistry.



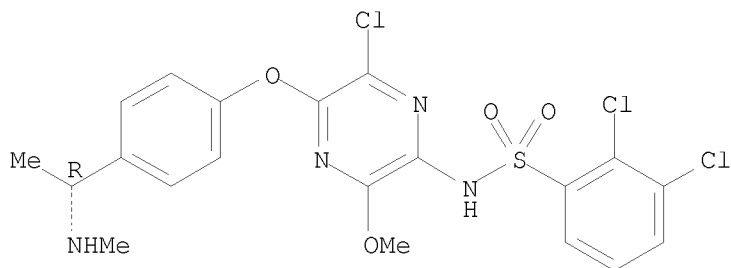
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 931092-67-0 CAPLUS
CN Benzenesulfonamide, 2,3-dichloro-N-[6-chloro-3-methoxy-5-[4-[(1R)-1-(methylamino)ethyl]phenoxy]-2-pyrazinyl]- (CA INDEX NAME)

Absolute stereochemistry.

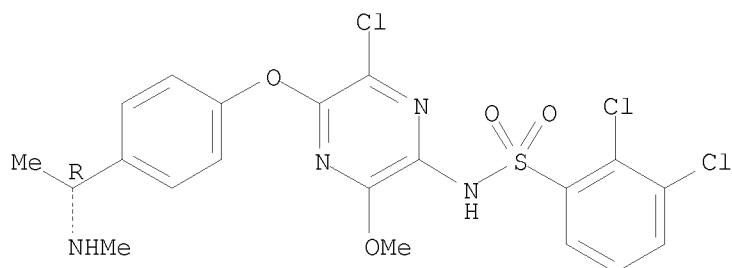


RN 931092-68-1 CAPLUS
CN Benzenesulfonamide, 2,3-dichloro-N-[6-chloro-3-methoxy-5-[4-[(1R)-1-(methylamino)ethyl]phenoxy]-2-pyrazinyl]-, 2,2,2-trifluoroacetate (1:?)
(CA INDEX NAME)

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CRN 931092-67-0
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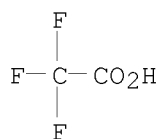
Absolute stereochemistry.



CM 2

CRN 76-05-1

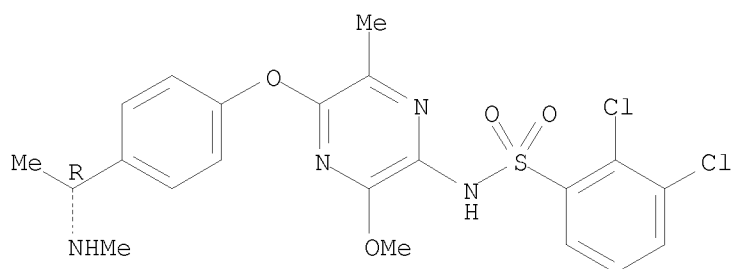
CMF C2 H F3 O2



RN 931092-72-7 CAPLUS

CN Benzenesulfonamide, 2,3-dichloro-N-[3-methoxy-6-methyl-5-[4-[(1R)-1-(methylamino)ethyl]phenoxy]-2-pyrazinyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 931092-73-8 CAPLUS

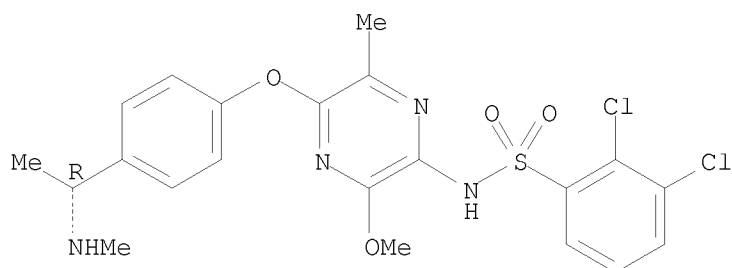
CN Benzenesulfonamide, 2,3-dichloro-N-[3-methoxy-6-methyl-5-[4-[(1R)-1-(methylamino)ethyl]phenoxy]-2-pyrazinyl]-, 2,2,2-trifluoroacetate (1:?) (CA INDEX NAME)

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CRN 931092-72-7

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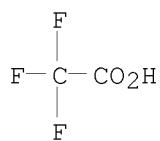
Absolute stereochemistry.



CM 2

CRN 76-05-1

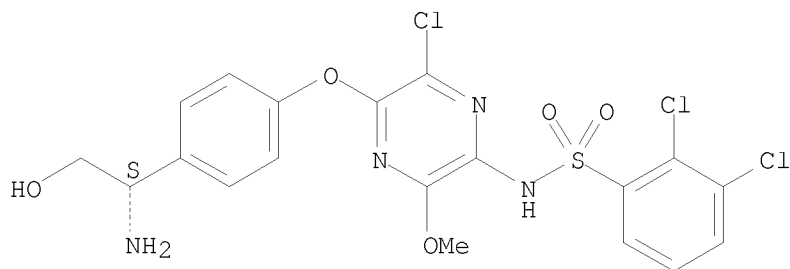
CMF C2 H F3 O2



RN 931092-78-3 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-6-chloro-3-methoxy-2-pyrazinyl]-2,3-dichloro- (CA INDEX NAME)

Absolute stereochemistry.



RN 931092-79-4 CAPLUS

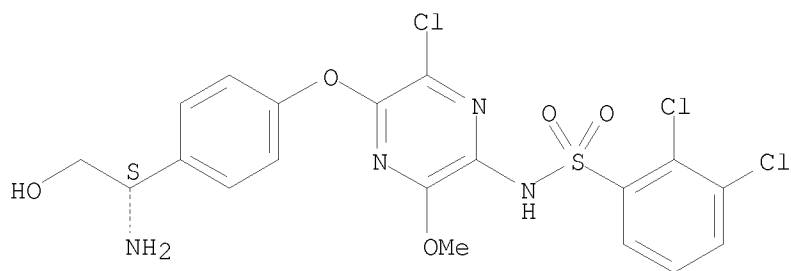
CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-6-chloro-3-methoxy-2-pyrazinyl]-2,3-dichloro-, 2,2,2-trifluoroacetate (1:?) (CA INDEX NAME)

CM 1

CRN 931092-78-3

CMF C19 H17 Cl3 N4 O5 S

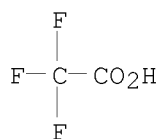
Absolute stereochemistry.



CM 2

CRN 76-05-1

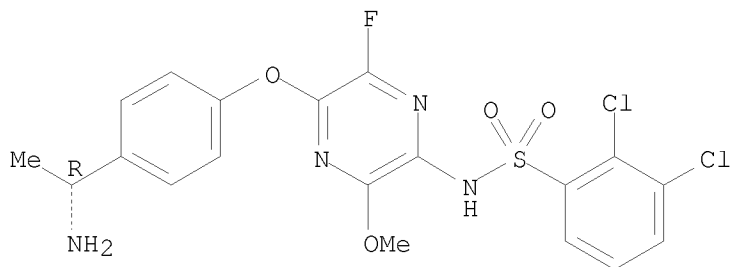
CMF C2 H F3 O2



RN 931092-80-7 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1R)-1-aminoethyl]phenoxy]-6-fluoro-3-methoxy-2-pyrazinyl]-2,3-dichloro-, hydrochloride (1:?) (CA INDEX NAME)

Absolute stereochemistry.

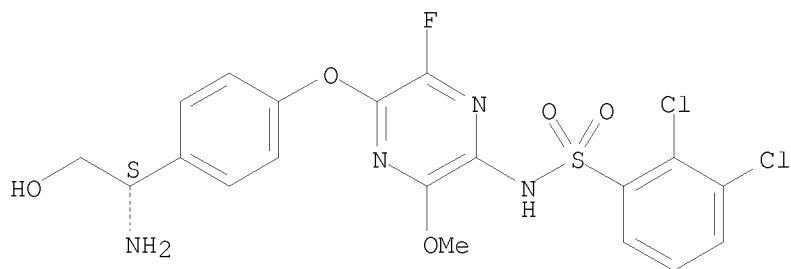


●x HCl

RN 931092-81-8 CAPLUS

CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-6-fluoro-3-methoxy-2-pyrazinyl]-2,3-dichloro- (CA INDEX NAME)

Absolute stereochemistry.



RN 931092-82-9 CAPLUS

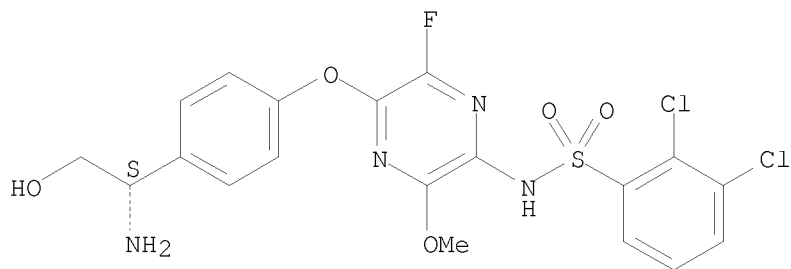
CN Benzenesulfonamide, N-[5-[4-[(1S)-1-amino-2-hydroxyethyl]phenoxy]-6-fluoro-3-methoxy-2-pyrazinyl]-2,3-dichloro-, 2,2,2-trifluoroacetate (1:?) (CA INDEX NAME)

CM 1

CRN 931092-81-8

CMF C19 H17 Cl2 F N4 O5 S

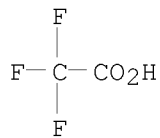
Absolute stereochemistry.



CM 2

CRN 76-05-1

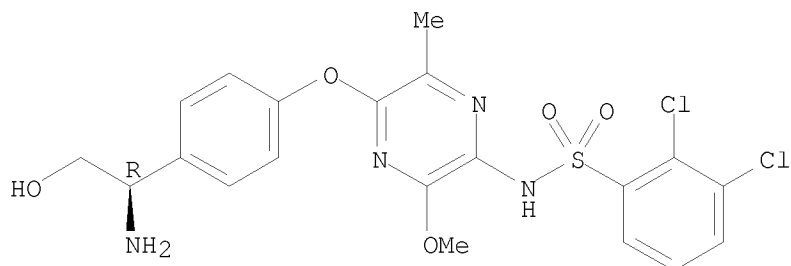
CMF C2 H F3 O2



RN 931092-86-3 CAPLUS

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Absolute stereochemistry.

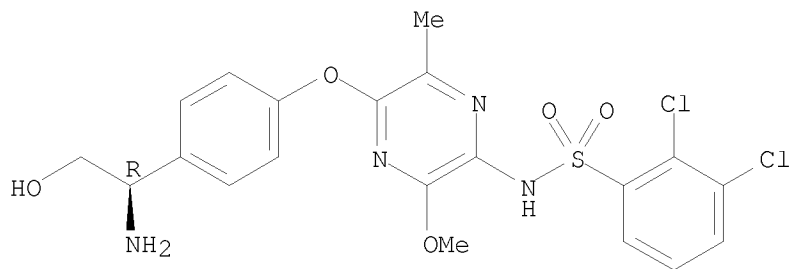


RN 931092-87-4 CAPLUS
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 (CA INDEX NAME)

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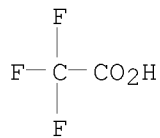
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Absolute stereochemistry.



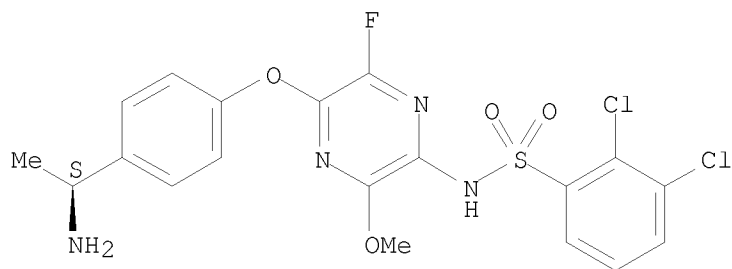
CM 2

CRN 76-05-1
 CMF C2 H F3 O2



RN 931092-88-5 CAPLUS
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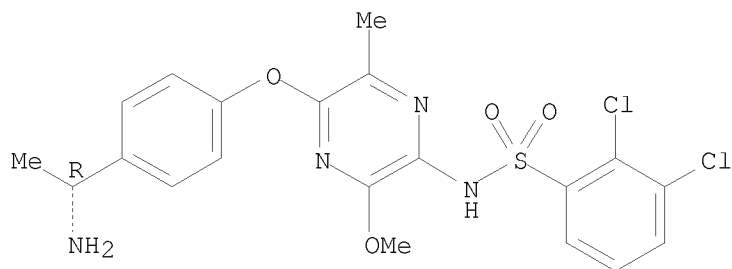
Absolute stereochemistry.



RN 931092-92-1 CAPLUS

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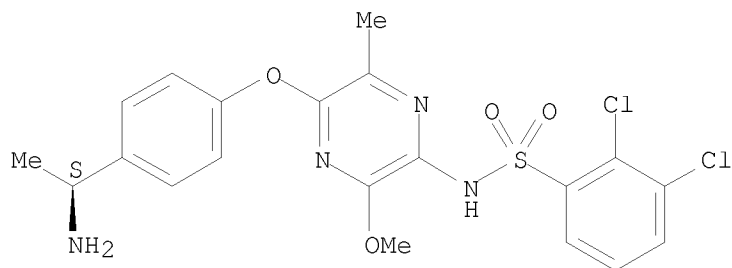
Absolute stereochemistry.



RN 931093-00-4 CAPLUS

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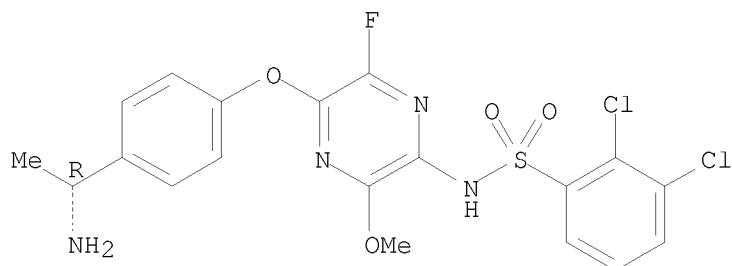
Absolute stereochemistry.



RN 931093-07-1 CAPLUS

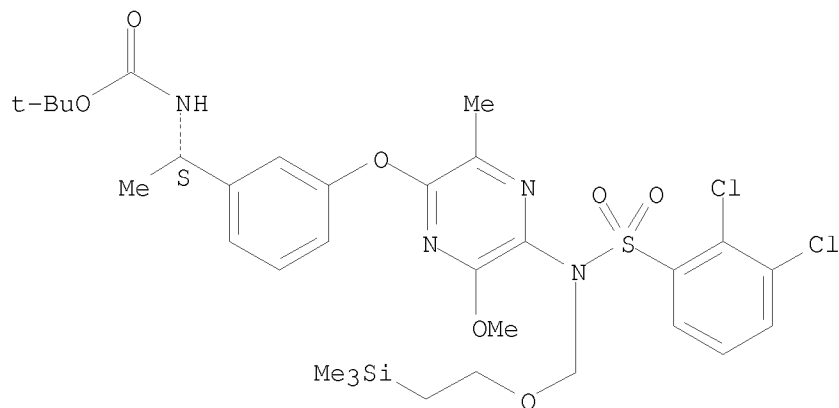
CN Benzenesulfonamide, N-[5-[4-[(1R)-1-aminoethyl]phenoxy]-6-fluoro-3-methoxy-2-pyrazinyl]-2,3-dichloro- (CA INDEX NAME)

Absolute stereochemistry.



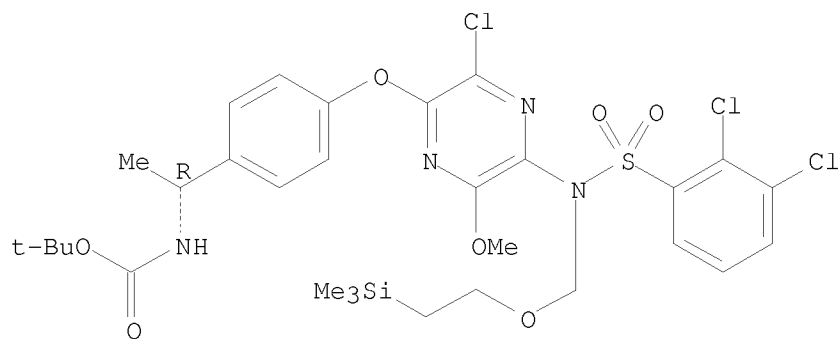
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 931093-28-6P 931093-29-7P 931093-36-6P
 931093-41-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (intermediate; preparation of N-pyrazinyl phenylsulfonamides as chemokine
 receptor modulators for treatment of asthma)
 RN 931093-14-0 CAPLUS
 CN Carbamic acid, N-[(1S)-1-[3-[[5-[[2,3-dichlorophenyl)sulfonyl][2-
 (trimethylsilyl)ethoxy]methyl]amino]-6-methoxy-3-methyl-2-
 pyrazinyl]oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 931093-24-2 CAPLUS
 CN Carbamic acid, N-[(1R)-1-[4-[[3-chloro-5-[[2,3-
 dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-6-methoxy-
 2-pyrazinyl]oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

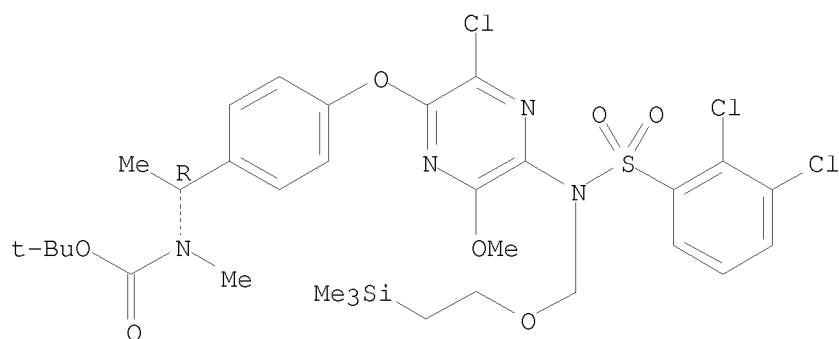
Absolute stereochemistry.



RN 931093-25-3 CAPLUS

CN Carbamic acid, N-[(1R)-1-[4-[[3-chloro-5-[(2,3-dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-6-methoxy-2-pyrazinyl]oxy]phenyl]ethyl]-N-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

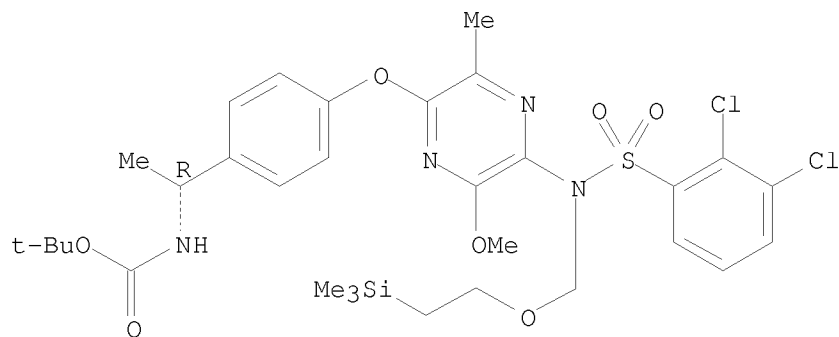
Absolute stereochemistry.



RN 931093-28-6 CAPLUS

CN Carbamic acid, N-[(1R)-1-[4-[[5-[(2,3-dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-6-methoxy-3-methyl-2-pyrazinyl]oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.

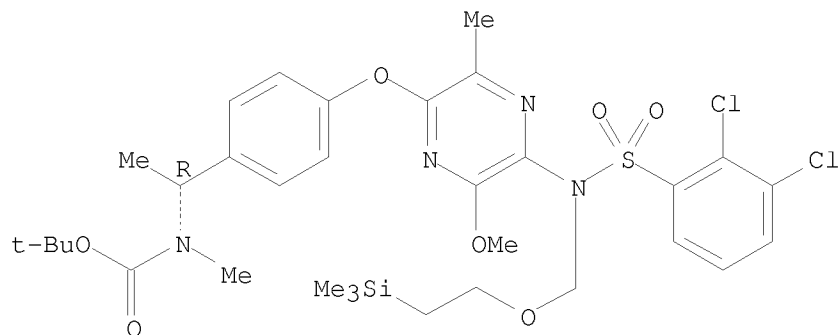


RN 931093-29-7 CAPLUS

CN Carbamic acid, N-[(1R)-1-[4-[[5-[(2,3-dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-6-methoxy-3-methyl-2-pyrazinyl]oxy]phenyl]ethyl]-N-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

NAME)

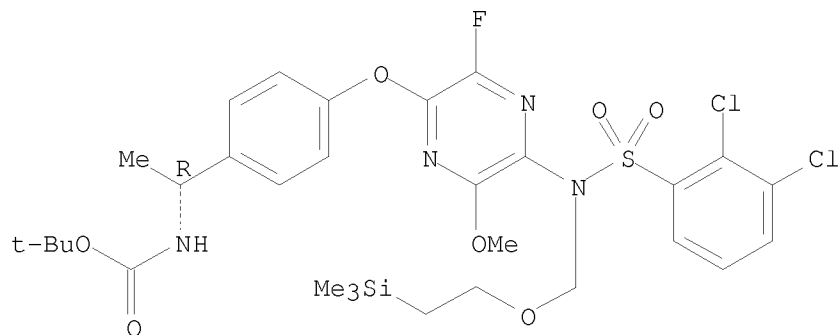
Absolute stereochemistry.



RN 931093-36-6 CAPLUS

CN Carbamic acid, N-[(1R)-1-[4-[[5-[[2,3-dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-3-fluoro-6-methoxy-2-pyrazinyl]oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

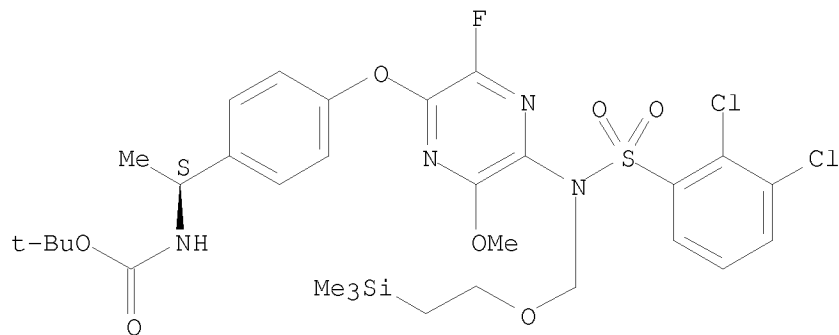
Absolute stereochemistry.



RN 931093-41-3 CAPLUS

CN Carbamic acid, N-[(1S)-1-[4-[[5-[[2,3-dichlorophenyl)sulfonyl][2-(trimethylsilyl)ethoxy]methyl]amino]-3-fluoro-6-methoxy-2-pyrazinyl]oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:252506 CAPLUS

DOCUMENT NUMBER: 140:287400

TITLE: Preparation of substituted 1,4-pyrazine derivatives as
CRF inhibitors

INVENTOR(S): Corbett, Jeffrey W.; Fu, Jian-min; Ennis, Michael D.;
Frank, Kristine E.; Hoffman, Robert L.; Verhoest,
Patrick R.

PATENT ASSIGNEE(S): Pharmacia & Upjohn Company, USA

SOURCE: PCT Int. Appl., 42 pp.

CODEN: PIXXD2

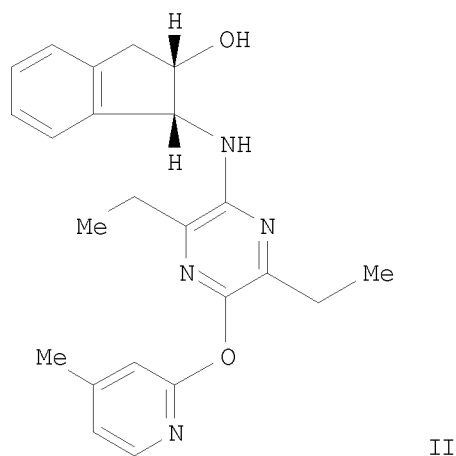
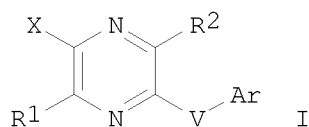
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

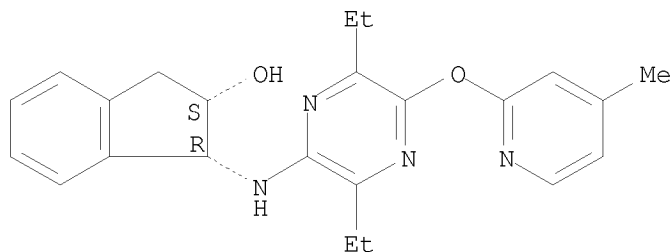
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2004024719	A1	20040325	WO 2003-US24805	20030827
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2494975	A1	20040325	CA 2003-2494975	20030827
AU 2003269949	A1	20040430	AU 2003-269949	20030827
US 2004116444	A1	20040617	US 2003-649299	20030827
EP 1539736	A1	20050615	EP 2003-751841	20030827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014139	A	20050712	BR 2003-14139	20030827
JP 2006506350	T	20060223	JP 2004-536018	20030827
MX 2005PA02418	A	20050527	MX 2005-PA2418	20050302
PRIORITY APPLN. INFO.:			US 2002-410261P	P 20020912
			WO 2003-US24805	W 20030827
OTHER SOURCE(S):	MARPAT	140:287400		
GI				



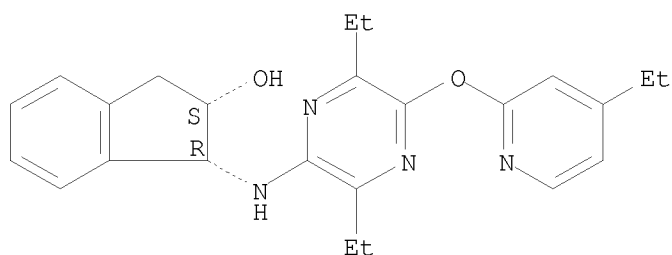
- AB Title compds. I [X = (un)substituted amino, alkoxy, alkyl, acyl, etc.; V = O, amino, SO₂; R¹-2 = (un)substituted amino, alkoxy, halo, alkyl, etc.; Ar = (hetero)aryl] are prepared For instance, 3-chloro-2,5-diethylpyrazine is coupled to (1R,2S)-1-amino-2-indanol (PhMe, NaOBu-t, Pd2dba3, 100°, 2 h). The resulting adduct is iodinated (DMSO, I₂) and coupled to 2-hydroxy-4-methylpyridine (DMF, CuI, Cs₂CO₃, 80°) to give II. I are inhibitors of corticotropin releasing factor and are useful in treating anxiety disorders, depression and stress related disorders.
- IT 675198-65-9P, (1R,2S)-1-[[3,6-Diethyl-5-[(4-methylpyridin-2-yl)oxy]pyrazin-2-yl]amino]-2,3-dihydro-1H-inden-2-ol 675198-72-8P, (1R,2S)-1-[[3,6-Diethyl-5-[(4-ethylpyridin-2-yl)oxy]pyrazin-2-yl]amino]indan-2-ol 675198-76-2P, (1R,2S)-1-[[3,6-Diethyl-5-[(5-methylpyridin-2-yl)oxy]pyrazin-2-yl]amino]indan-2-ol
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of substituted 1,4-pyrazine derivs. as CRF inhibitors)
- RN 675198-65-9 CAPLUS
- CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(4-methyl-2-pyridinyl)oxy]pyrazinyl]amino]-2,3-dihydro-, (1R,2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



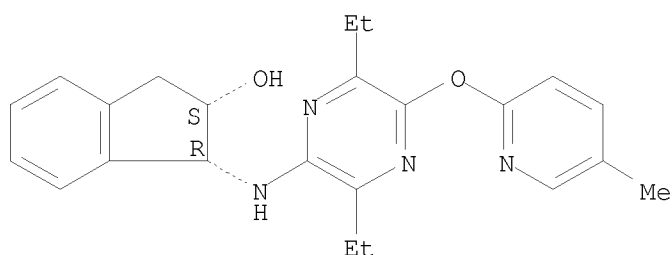
RN 675198-72-8 CAPLUS
 CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(4-ethyl-2-pyridinyl)oxy]pyrazinyl]amino]-2,3-dihydro-, (1R,2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



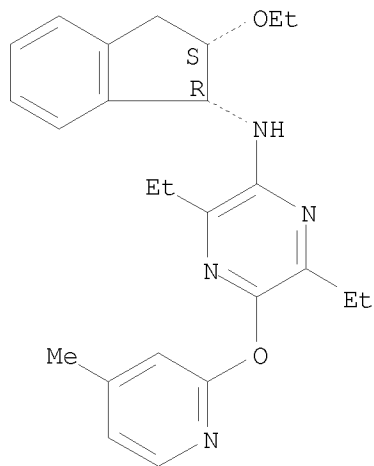
RN 675198-76-2 CAPLUS
 CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(5-methyl-2-pyridinyl)oxy]pyrazinyl]amino]-2,3-dihydro-, (1R,2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 675198-67-1P 675198-68-2P 675198-69-3P
 675198-70-6P 675198-71-7P 675198-73-9P
 675198-74-0P, (1R,2S)-1-[[3,6-Diethyl-5-[(3-methylpyridin-2-yl)oxy]pyrazin-2-yl]amino]indan-2-ol 675198-75-1P
 675198-77-3P 675198-78-4P 675198-80-8P
 675198-81-9P, 1-[[3,6-Diethyl-5-[(4-methylphenyl)amino]pyrazin-2-yl]amino]indan-2-ol 675198-82-0P, N-(2-Ethoxy-2,3-dihydro-1H-inden-1-yl)-3,6-diethyl-5-[(4-methylphenyl)thio]pyrazin-2-amine
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted 1,4-pyrazine derivs. as CRF inhibitors)
 RN 675198-67-1 CAPLUS
 CN Pyrazinamine, N-[(1R,2S)-2-ethoxy-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-[(4-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

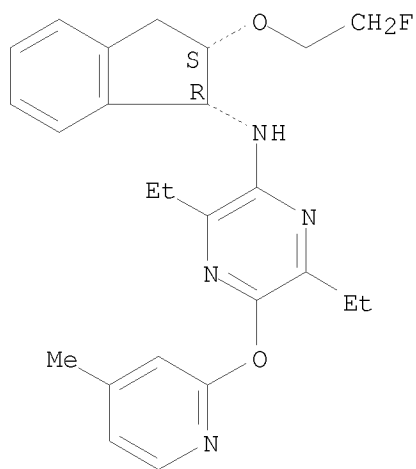
Absolute stereochemistry.



RN 675198-68-2 CAPLUS

CN Pyrazinamine, 3,6-diethyl-N-[(1R,2S)-2-(2-fluoroethoxy)-2,3-dihydro-1H-inden-1-yl]-5-[(4-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

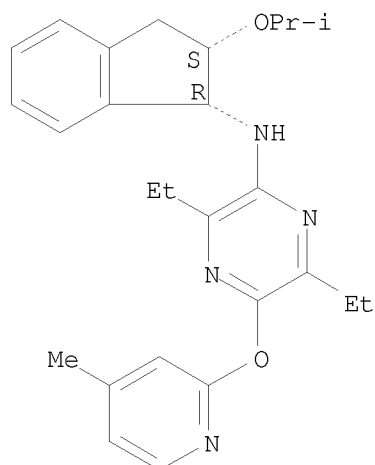
Absolute stereochemistry.



RN 675198-69-3 CAPLUS

CN Pyrazinamine, N-[(1R,2S)-2-(1-methylethoxy)-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-[(4-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

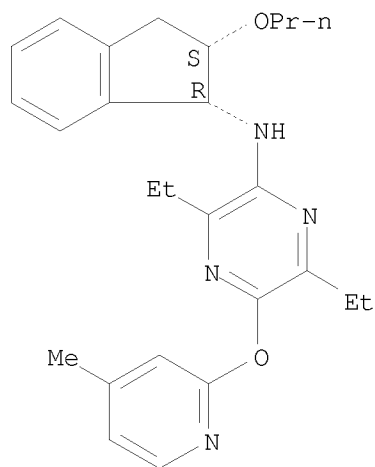
Absolute stereochemistry.



RN 675198-70-6 CAPLUS

CN Pyrazinamine, N-[(1R,2S)-2,3-dihydro-2-propoxy-1H-inden-1-yl]-3,6-diethyl-5-[(4-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

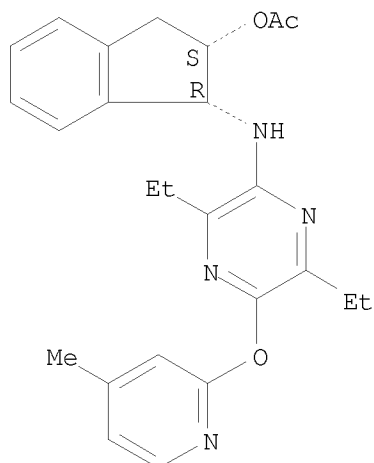
Absolute stereochemistry.



RN 675198-71-7 CAPLUS

CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(4-methyl-2-pyridinyl)oxy]pyrazinyl]amino]-2,3-dihydro-, acetate (ester), (1R,2S)- (9CI) (CA INDEX NAME)

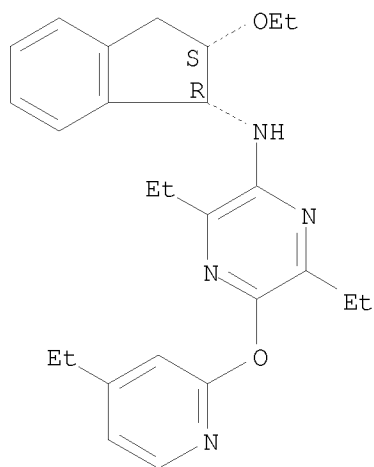
Absolute stereochemistry.



RN 675198-73-9 CAPLUS

CN Pyrazinamine, N-[(1R,2S)-2-ethoxy-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-[(4-ethyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

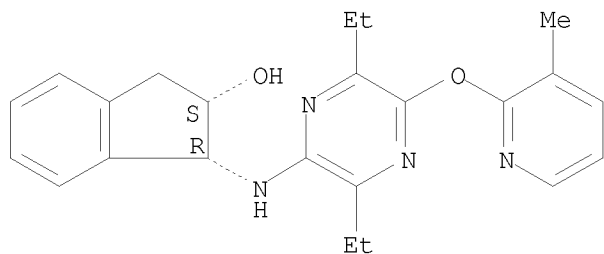
Absolute stereochemistry.



RN 675198-74-0 CAPLUS

CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(3-methyl-2-pyridinyl)oxy]pyrazinyl]amino]-2,3-dihydro-, (1R,2S)- (9CI) (CA INDEX NAME)

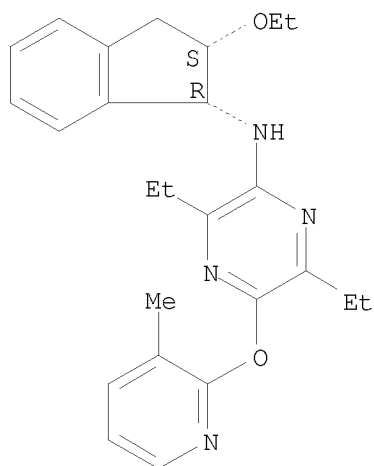
Absolute stereochemistry.



RN 675198-75-1 CAPLUS

CN Pyrazinamine, N-[(1R,2S)-2-ethoxy-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-
[(3-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

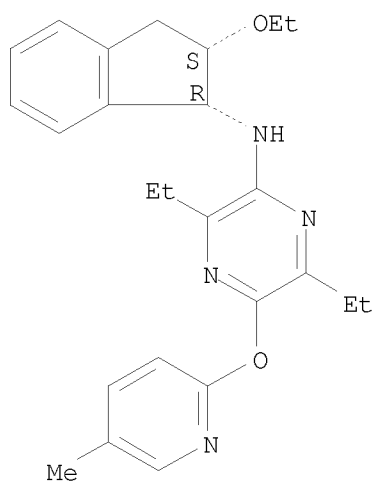
Absolute stereochemistry.



RN 675198-77-3 CAPLUS

CN Pyrazinamine, N-[(1R,2S)-2-ethoxy-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-
[(5-methyl-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

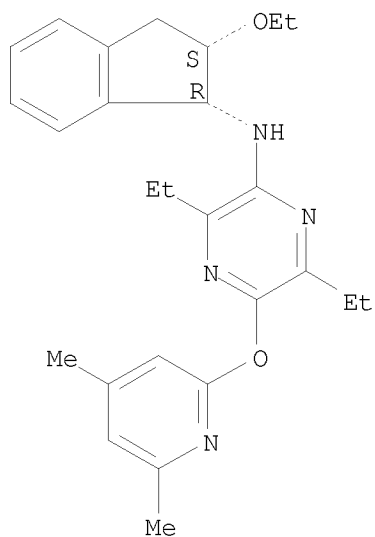
Absolute stereochemistry.



RN 675198-78-4 CAPLUS

CN Pyrazinamine, 5-[(4,6-dimethyl-2-pyridinyl)oxy]-N-[(1R,2S)-2-ethoxy-2,3-
dihydro-1H-inden-1-yl]-3,6-diethyl- (9CI) (CA INDEX NAME)

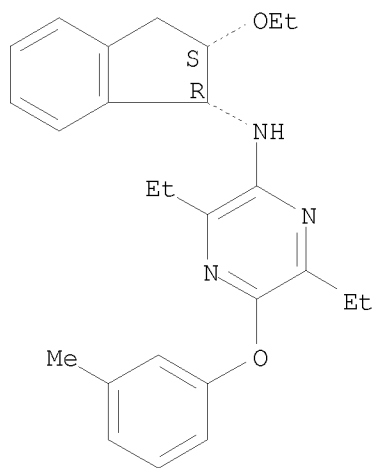
Absolute stereochemistry.



RN 675198-80-8 CAPLUS

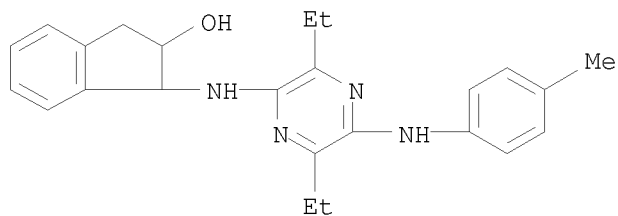
CN Pyrazinamine, N-[(1R,2S)-2-ethoxy-2,3-dihydro-1H-inden-1-yl]-3,6-diethyl-5-(3-methylphenoxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



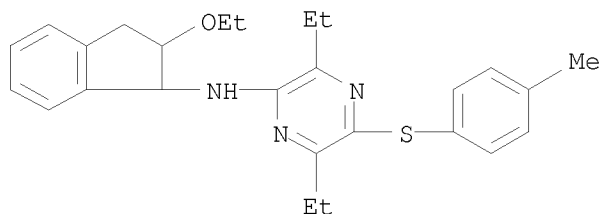
RN 675198-81-9 CAPLUS

CN 1H-Inden-2-ol, 1-[[3,6-diethyl-5-[(4-methylphenyl)amino]pyrazinyl]amino]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 675198-82-0 CAPLUS

CN Pyrazinamine, N-(2-ethoxy-2,3-dihydro-1H-inden-1-yl)-3,6-diethyl-5-[(4-methylphenyl)thio]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:614437 CAPLUS

DOCUMENT NUMBER: 129:295965

TITLE: Organic electroluminescent device with high luminance and polycyclic phosphorescent compound therefor

INVENTOR(S): Onikubo, Shunichi; Tamano, Michiko; Okutsu, Satoshi; Enokida, Toshio

PATENT ASSIGNEE(S): Toyo Ink Mfg. Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 59 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10251633	A	19980922	JP 1997-62568	19970317
JP 3503403	B2	20040308		
EP 866110	A1	19980923	EP 1998-301986	19980317
EP 866110	B1	20041020		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 934992	A1	19990811	EP 1999-106698	19980317
EP 934992	B1	20040721		
R: DE, FR, GB				
US 6280859	B1	20010828	US 1998-42569	19980317
US 2001033944	A1	20011025		
PRIORITY APPLN. INFO.:			JP 1997-62568	A 19970317
			EP 1998-301986	A3 19980317
OTHER SOURCE(S):		MARPAT 129:295965		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

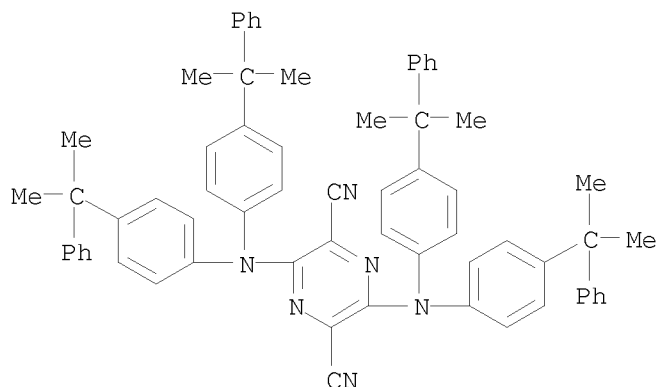
AB The claimed compound is I [A = aromatic (condensed) ring, (condensed) heterocycle excluding Q1 (E = H or linkage), bivalent group comprising ≥2 kinds of 2-10 above ring systems which are connected directly or via O, N, S, Cl-20 chain, nonarom. cycle, where the case of A = Q3 is excluded; Ar1-4 = (condensed) aromatic group; X1-4 = O, S, CO, SO2, CxH2xOCyH2y (x, y = 0-20; x + y ≠ 0), C2-20 alkyl(id)ene, bivalent alicyclic group; R1-20 = H, halo, alkyl (oxy), aromatic ring, aromatic

heterocycle, amino]. Also claimed is an organic electroluminescent device containing I with high luminance and good stability in repeated uses.

IT 213968-96-8
 RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
 (luminescent material; organic electroluminescent device containing polycyclic phosphorescent compound with high luminance)

RN 213968-96-8 CAPLUS

CN 2,5-Pyrazinedicarbonitrile, 3,6-bis[bis[4-(1-methyl-1-phenylethyl)phenyl]amino]- (CA INDEX NAME)



L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1992:571474 CAPLUS

DOCUMENT NUMBER: 117:171474

TITLE: Cyanopyrazine derivatives and their manufacture

INVENTOR(S): Kojima, Takakazu

PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

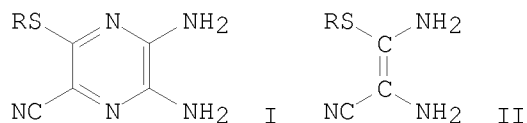
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04112877	A	19920414	JP 1990-232592	19900904
PRIORITY APPLN. INFO.:			JP 1990-232592	19900904
OTHER SOURCE(S):		CASREACT 117:171474; MARPAT 117:171474		

GI

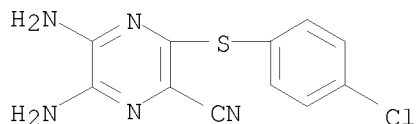


AB Title derivs. I [R = alkyl, aralkyl, cycloalkyl, alkenyl, (substituted) aryl] are manufactured by dimerizing II in the presence of an oxidation catalyst.

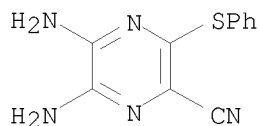
Thus, dimerization of II (R = Ph) in 1,2-dimethoxyethane/H₂O in the

presence of E.C. 1.11.1.7 and H2O2 under ice cooling for 5 h gave 54% I (R = Ph).

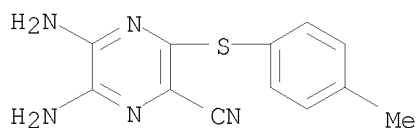
IT 143469-44-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by dimerization of diamino(chlorophenylthio)acrylonitrile)
RN 143469-44-7 CAPLUS
CN Pyrazinecarbonitrile, 5,6-diamino-3-[(4-chlorophenyl)thio]- (9CI) (CA INDEX NAME)



IT 143469-43-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by dimerization of diamino(phenylthio)acrylonitrile)
RN 143469-43-6 CAPLUS
CN Pyrazinecarbonitrile, 5,6-diamino-3-(phenylthio)- (9CI) (CA INDEX NAME)



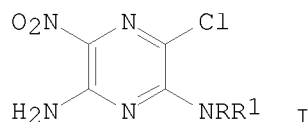
IT 143469-45-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by dimerization of diamino(tolylthio)acrylonitrile)
RN 143469-45-8 CAPLUS
CN Pyrazinecarbonitrile, 5,6-diamino-3-[(4-methylphenyl)thio]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1984:139145 CAPLUS
DOCUMENT NUMBER: 100:139145
ORIGINAL REFERENCE NO.: 100:21243a,21246a
TITLE: 2-Amino derivatives of 3-chloro-5-nitro-6-aminopyrazines useful as adjuncts to radiation therapy
INVENTOR(S): Hartman, George D.
PATENT ASSIGNEE(S): Merck and Co., Inc. , USA
SOURCE: U.S., 4 pp. Cont.-in-part of U.S. Ser. No. 295,446, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 4418062	A	19831129	US 1982-399924	19820719
PRIORITY APPLN. INFO.:			US 1980-194100	A2 19801006
			US 1981-295446	A2 19810824
OTHER SOURCE(S):	CASREACT 100:139145; MARPAT 100:139145			
GI				

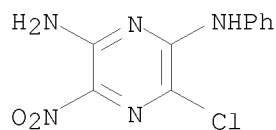


AB 2,6-Pyrazinediamines I (R and R1 are alkyl, hydroxyalkyl, aminoalkyl, substituted alkenyl, or NRR1 from a saturated heterocycle), useful as tumor cell sensitizers (no data), were prepared 5,6-Dichloro-3-nitro-2-pyrazinamine was treated with H2NCH2CH2OH and Et3N to give I (R = H, R1 = CH2CH2OH).

IT 88793-48-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 88793-48-0 CAPLUS

CN 2,6-Pyrazinediamine, 3-chloro-5-nitro-N2-phenyl- (CA INDEX NAME)



L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1981:208189 CAPLUS

DOCUMENT NUMBER: 94:208189

ORIGINAL REFERENCE NO.: 94:34043a,34046a

TITLE: Theoretical estimation of pKa values of pyrazinylguanidine derivatives

AUTHOR(S): Bock, Mark G.; Schlegel, H. Bernard; Smith, Graham M.

CORPORATE SOURCE: Merck, Sharp and Dohme Res. Lab., West Point, PA, 19486, USA

SOURCE: Journal of Organic Chemistry (1981), 46(9), 1925-7
 CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

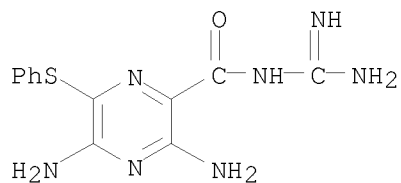
LANGUAGE: English

AB The pKa values of substituted anilines and pyridines were predicted equally well by semiempirical and minimal basis set ab initio methods. CNDO/2 calcns. on the diuretic amiloride and closely related derivs. gave a practical correlation between calculated proton affinities and measured solution-phase pKa values.

IT 70296-90-1
 RL: PRP (Properties)
 (basicity constant and proton affinity of, MO calcn. of)

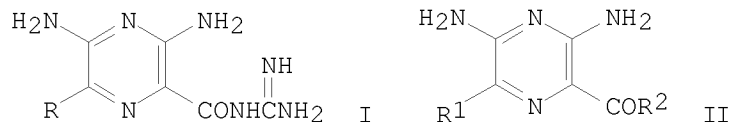
RN 70296-90-1 CAPLUS

CN Pyrazinecarboxamide, 3,5-diamino-N-(aminoiminomethyl)-6-(phenylthio)-(9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1979:204142 CAPLUS
 DOCUMENT NUMBER: 90:204142
 ORIGINAL REFERENCE NO.: 90:32485a,32488a
 TITLE: Amiloride and its 6-substituted derivatives
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54012389	A	19790130	JP 1978-79240	19780629
US 4196292	A	19800401	US 1977-811011	19770629
FI 7801966	A	19781230	FI 1978-1966	19780620
HU 20578	A2	19810828	HU 1978-ME2174	19780622
HU 178302	B	19820428		
PL 119097	B1	19811130	PL 1978-207947	19780627
DK 7802902	A	19781230	DK 1978-2902	19780628
NO 7802230	A	19790102	NO 1978-2230	19780628
EP 200	A1	19790110	EP 1978-100264	19780628
EP 200	B1	19820324		
R: BE, CH, DE, FR, GB, LU, NL, SE				
ES 471244	A1	19791001	ES 1978-471244	19780628
AT 7804690	A	19801115	AT 1978-4690	19780628
AT 362795	B	19810610		
PRIORITY APPLN. INFO.:			US 1977-811011	A 19770629
OTHER SOURCE(S):	MARPAT 90:204142			
GI				



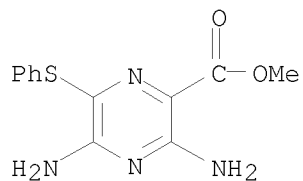
AB Amilorides I (R = R1; R1 = Cl, CN, SMe, SCF3, SPh) were prepared by treating I (R = Br, iodo) with CuR1 in OP(NMe2)3 (or DMF) or by amidation of II (R1 as above; R2 = OMe) with guanidine. I (R = R1) are diuretics, antihypertensives and antiinflammatory agents (5-750 mg/day). Thus, treatment of 3.5 g I.HCl (R = iodo) with CuCN in OP(NMe2)3 15 min at 100° gave 1.43 g I (R = CN).

IT 70296-94-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (amidation of, with guanidine)

RN 70296-94-5 CAPLUS

CN Pyrazinecarboxylic acid, 3,5-diamino-6-(phenylthio)-, methyl ester (9CI)

(CA INDEX NAME)



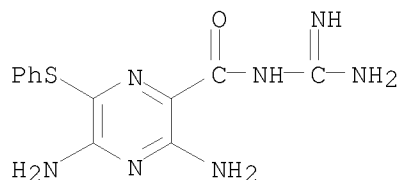
IT 70296-90-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and diuretic, hypotensive and antiinflammatory activities of)

RN 70296-90-1 CAPLUS

CN Pyrazinecarboxamide, 3,5-diamino-N-(aminoiminomethyl)-6-(phenylthio)-
(9CI) (CA INDEX NAME)



=> log hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

40.18

212.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.46

-5.46

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:21:42 ON 28 DEC 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623zct

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'CAPLUS' AT 07:54:48 ON 28 DEC 2007

FILE 'CAPLUS' ENTERED AT 07:54:48 ON 28 DEC 2007

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

40.18

212.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE	-5.46	-5.46
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=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	40.18	212.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-5.46	-5.46

FILE 'REGISTRY' ENTERED AT 07:55:00 ON 28 DEC 2007
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STRUCTURE FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9
DICTIONARY FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

=>

=>

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.90	213.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-5.46

FILE 'REGISTRY' ENTERED AT 07:55:56 ON 28 DEC 2007
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STRUCTURE FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9
DICTIONARY FILE UPDATES: 27 DEC 2007 HIGHEST RN 959655-61-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

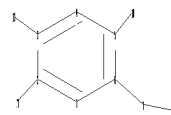
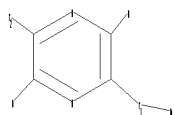
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10649299.str



chain nodes :
7 9 10 11 13
ring nodes :
1 2 3 4 5 6
chain bonds :
2-11 3-13 5-10 6-7 7-9
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-11 3-13 5-10 6-7 7-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:O,S,N

G2:C,O,S

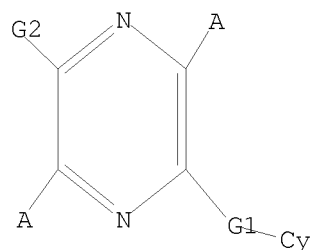
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 9:Atom 10:CLASS 11:CLASS
13:CLASS

Generic attributes :
9:
Saturation : Unsaturated

L5 STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5 STR



G1 O, S, N
G2 C, O, S

Structure attributes must be viewed using STN Express query preparation.

=> s 15
SAMPLE SEARCH INITIATED 07:56:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3505 TO ITERATE

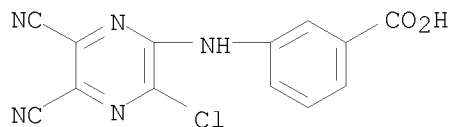
57.1% PROCESSED 2000 ITERATIONS 6 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 66550 TO 73650
PROJECTED ANSWERS: 16 TO 404

L6 6 SEA SSS SAM L5

=> d 1-6

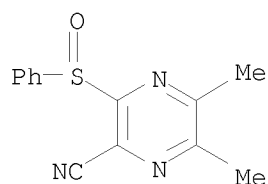
L6 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 139964-69-5 REGISTRY
ED Entered STN: 27 Mar 1992
CN Benzoic acid, 3-[(3-chloro-5,6-dicyanopyrazinyl)amino]- (9CI) (CA INDEX NAME)
MF C13 H6 Cl N5 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

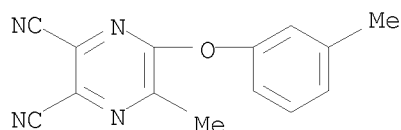
L6 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 128142-29-0 REGISTRY
ED Entered STN: 13 Jul 1990
CN Pyrazinecarbonitrile, 5,6-dimethyl-3-(phenylsulfinyl)- (9CI) (CA INDEX NAME)
MF C13 H11 N3 O S
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 72545-94-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2,3-Pyrazinedicarbonitrile, 5-methyl-6-(3-methylphenoxy)- (CA INDEX NAME)
MF C14 H10 N4 O
LC STN Files: CA, CAPLUS

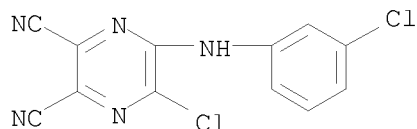


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 72545-78-9 REGISTRY

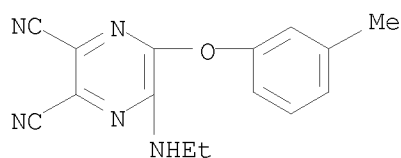
ED Entered STN: 16 Nov 1984
CN 2,3-Pyrazinedicarbonitrile, 5-chloro-6-[(3-chlorophenyl)amino]- (CA INDEX NAME)
MF C12 H5 Cl2 N5
LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

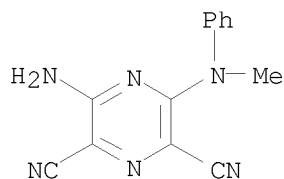
L6 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 72114-04-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2,3-Pyrazinedicarbonitrile, 5-(ethylamino)-6-(3-methylphenoxy)- (CA INDEX NAME)
MF C15 H13 N5 O
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN
RN 39870-63-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2,6-Pyrazinedicarbonitrile, 3-amino-5-(methylphenylamino)- (CA INDEX NAME)
OTHER NAMES:
CN 2-Amino-3,5-dicyano-6-(N-methylanilino)pyrazine
MF C13 H10 N6
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL, USPATOLD
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

=> s l1 sss full
FULL SEARCH INITIATED 07:58:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 25778 TO ITERATE

100.0% PROCESSED 25778 ITERATIONS 50 ANSWERS
SEARCH TIME: 00.00.01

L7 50 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	185.15	398.54

	SINCE FILE ENTRY	TOTAL SESSION
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		
CA SUBSCRIBER PRICE	0.00	-5.46

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FILE COVERS 1907 - 28 Dec 2007 VOL 148 ISS 1
FILE LAST UPDATED: 27 Dec 2007 (20071227/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l7

L8 7 L7

=> d his

(FILE 'HOME' ENTERED AT 07:16:44 ON 28 DEC 2007)

FILE 'REGISTRY' ENTERED AT 07:17:02 ON 28 DEC 2007

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 50 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:17:35 ON 28 DEC 2007

L4 7 S L3

FILE 'REGISTRY' ENTERED AT 07:55:00 ON 28 DEC 2007

FILE 'REGISTRY' ENTERED AT 07:55:56 ON 28 DEC 2007

L5 STRUCTURE UPLOADED

L6 6 S L5

L7 50 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 07:58:28 ON 28 DEC 2007

L8 7 S L7

=> s l8 not l4

L9 0 L8 NOT L4

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

399.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-5.46

STN INTERNATIONAL LOGOFF AT 07:59:07 ON 28 DEC 2007